The New IPCC Climate Report

Study the overview of the most recent Sept 2013 IPCC report on the link loaded onto the APES website and answer the following: <http://www.realclimate.org/index.php/archives/2013/09/the-new-ipcc-climate-report/>

**Copy the topic headings and type or print the answers neatly, using complete sentences (YOU ARE AP):**

Global Warming

1. \* What is the % certainty now that humans are the dominant influence on climate change?

2. Observe the graph showing ocean and surface temp changes from 1850 – 2010.

Observe the graph showing future trends by 2100.

\*Discuss/compare the two different possible outcomes between the red and blue line.

(RCP 2.6 – 8.5 show various outcomes depending on how seriously the world starts to

mitigate climate change, which means lowering CO2 emissions…. RCP2.6 = big effort to

lower emissions and RCP8.5 = worse case, doing not much of anything…business as usual.)

3. \*What is the overall predicted trend in the concluding paragraph of this section.

Sea Level Rise

4. \*Observe graph and compare different possible outcomes. (Discuss)

5. \*What is the overall predicted trend in the concluding paragraphs of this section.

Land and Sea Ice

6. What’s the critical temperature limit, and looking at the two maps, what is the prediction with unabated emissions control?

Rainfall

7. What’s he predicted trend for rainfall patterns?

Oceans

8. What are the predicted trends for Atlantic Ocean circulation and ocean acidity?

Conclusion:

9. What is the opening paragraph summarizing?

10. Click the link to the New York Times article. Watch the 5 minute video at the top. We were at 280 ppm CO2, pre-industrial, today we are at 397.8 ppm (a 41% increase). What is the concern of the speaker regarding our future climate and doubling of CO2 and beyond?